

INTERNATIONAL SEARCH REPORT

PCT/GB 03/03251

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B26B7/00 B23D49/16 B26D7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B26B B23D B26D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 364 893 A (HOP SHING METAL & PLASTIC MANU) 13 February 2002 (2002-02-13) page 6, line 11 -page 9, line 17; figures 1-6	1-6, 9-21,25, 26,44,52
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10, 30 November 1995 (1995-11-30) & JP 07 171802 A (HITACHI KOKI CO LTD), 11 July 1995 (1995-07-11) abstract	1-7, 9-17,20, 25,26, 44,52
A	EP 0 813 934 A (FEIN C & E) 29 December 1997 (1997-12-29) abstract; figure 1	1,44,52
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

8 January 2004

Date of mailing of the international search report

20.01.04

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 412 767 A (GREEN JR JAMES) 26 November 1968 (1968-11-26) column 2, line 10-61; figures 1-7 ---	45, 46
X	DE 35 11 692 A (BLACK & DECKER INC) 2 October 1986 (1986-10-02) abstract; figures 1-3 ---	45, 46
X	US 3 339 598 A (LARS FROSTAD) 5 September 1967 (1967-09-05) column 4, line 10-17; figures 1, 2 ---	45, 46
X	US 2 869 231 A (GURY JR JOHN B) 20 January 1959 (1959-01-20) column 2, line 16-63; figures 2, 4, 5 ---	51
X	US 4 807 361 A (RACZKOWSKI ROMUALD) 28 February 1989 (1989-02-28) column 2, line 5-68; figure 1 ---	51
X	US 6 401 342 B1 (KLOSS GUENTER ET AL) 11 June 2002 (2002-06-11) abstract; figures 1, 5-10 ---	53-58
Y		59
Y	EP 0 294 617 A (FEIN C & E) 14 December 1988 (1988-12-14) figure 7 ---	59
A	US 5 826 342 A (ZURO MARK E) 27 October 1998 (1998-10-27) abstract; figures 1-3 -----	52, 53

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-44,52

A cutting device comprising a forward blade carrier and a rearward handle spaced from the forward blade carrier

2. Claims: 45-50

A cutting device comprising a blade carrier, a device engagement arrangement and a blade adjustment arrangement

3. Claim : 51

A cutting device comprising a blade carrier and a lubrication arrangement

4. Claims: 53-59

A blade for a cutting tool

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2364893	A	13-02-2002	CN 2444732 U	29-08-2001
JP 07171802	A	11-07-1995	NONE	
EP 0813934	A	29-12-1997	DE 19636462 C1	12-02-1998
			DE 19624259 C1	12-02-1998
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			EP 0813934 A2	29-12-1997
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			DE 8816854 U1	29-11-1990
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			JP 1064683 A	10-03-1989
			JP 2030368 C	19-03-1996
			JP 7061386 B	05-07-1995
US 5826342	A	27-10-1998	NONE	